

PUBLICATION LIST - Christophe Six - November 2024

- 42.2024 Garric S, Ratin M, Gallet B, Decelle J, Probert I, Rodriguez F & **C Six**. Photophysiology of the haploid form of the cryptophyte *Teleaulax amphioxeia* strain Cr10EHU. *Journal of Phycology*. doi: 10.1111/jpy.13495
- 41.2024 Garric S, Ratin M, Marie D, Foulon V, Probert I, Rodriguez F & **C Six**. Impaired photoacclimation in a kleptoplastidic dinoflagellate reveals physiological limits of early stages of endosymbiosis. *Current Biology* 34(14):3064-3076. doi: 10.1016/j.cub.2024.05.066
- 40.2022 Doré H, Leconte J, Guyet U, Breton S, Farrant G, Demory D, Ratin M, Hoebeke M, Corre E, Pitt F, Ostrowski M, Scanlan D, Partensky F, **Six C**, & L Garczarek. Global phylogeography of marine *Synechococcus* in coastal areas reveals strong community shifts. *Msystem* doi: 10.1128/msystems.00656-22.
- 39.2021 **Six C**, Ratin M, Marie D & Corre E. Marine *Synechococcus* picocyanobacteria: Light utilization across latitudes. *Proceedings of the National Academy of Science USA* 118(38):e2111300118. doi: 10.1073/pnas.2111300118
- 38.2021 Qui Minet Z N, Davoult D, Grall J, Delaunay C, **Six C**, Cariou T & S Martin. Physiology of maerl algae: composition of inter- and intraspecies variations. *Journal of Phycology* 57(3):831-848.
- 37.2020 Kayal E, Alves-de-Souza C, Farhat S, Velo Suarez L, Monjol J, Szymczak J, Bigeard E, Marie D, Noel B, Porcel BM, Corre E, **Six C** & L Guillou. Dinoflagellate host chloroplasts and mitochondria remain functional during *Amoebophrya* infection. *Frontiers in Microbiology* 11: 600823.
- 36.2020 Doré H, Farrant GK, Guyet U, Haguait J, Humily F, Ratin M, Pitt FD, Ostrowski M, **Six C**, Brillet-Guéguen L, Hoebeke M, Bisch A, Le Corguillé G, Corre E, Labadie K, Aury JM, Wincker P, Choi DH, Noh JH, Eveillard D, Scanlan DJ, Partensky F & L Garczarek. Evolutionary mechanisms of long-term genome diversification associated with niche partitioning in marine picocyanobacteria. *Frontiers in Microbiology* 11:567431.
- 35.2020 Guyet U, Nguyen NA, Doré H, Haguait J, Pittera J, Conan M, Ratin M, Corre E, Le Corguillé G, Brillet-Guéguen L, Hoebeke M, **Six C**, Steglich C, Siegel A, Eveillard D, Partensky F & L Garczarek. Synergic effects of temperature and irradiance on the physiology of the marine *Synechococcus* strain WH7803. *Frontiers in Microbiology* 11:1707.
- 34.2020 Androuin T, **Six C**, Bordeyne F, de Bettignies F, Noisette F & D Davoult. Better off alone? New insights in the symbiotic relationship between the flatworm *Symsagittifera roscoffensis* and the microalgae *Tetraselmis convolutae*. *Symbiosis* 81 pp. 161–171.
- 33.2019 Breton S, Jouhet J, Guyet U, Gros V, Pittera J, Demory D, Partensky F, Doré H, Ratin M, Maréchal E, Nguyen NA, Garczarek L & **C Six**. Unveiling the strategies of thermoregulation of the membrane lipid composition in marine *Synechococcus*. *New Phytologist* 225(6).
- 32.2018 Villar E, Dani V, Bigeard E, Linhart T, Mendez M, Bachy C, **Six C**, Lombard F, Sabourault C & F Not. Symbiont chloroplasts remain active during bleaching-like response induced by thermal stress in *Collozoum pelagicum* (Collodaria, Retaria). *Frontiers in Microbiology* 5:387.
- 31.2018 Zhong, X K, Derelle E, Baudoux A C, Colombet J, Cho A, Caleta J, Suttle C A, **Six C** & S Jacquet. A new freshwater cyanosiphovirus harbouring integrase. *Frontiers in Microbiology* 9:2204.

30. 2018 Partensky F, Mella-Flores D, **Six C**, Garczarek L, Czjzek M, Kotabová E, Felcmanová K, & O Prášil. Comparison of Photosynthetic Performances of Marine Picocyanobacteria with Different Configurations of the Oxygen Evolution Cluster. *Photosynthesis Research* 138(1):57-71.
29. 2018 Demory D, Baudoux AC, Monier A, Simon N, **Six C**, Ge P, Rigaut-Jalabert F, Marie D, Sciandra A, Bernard O &, and S Rabouille. The *Micromonas* genus: sentinel of a warming ocean. *The ISME Journal* 13:132–146.
28. 2018 Partensky F, **Six C**, Ratin M, Garczarek L, Gourvil P, Probert I, Le Panse S, Marie D, Vaultot D, Garrido JL & F Rodríguez. The cyanobacterium *Acaryochloris thomasi* sp. nov. contains chlorophyll *a* and *b* but no chlorophyll *d*. *Scientific Reports* 8:9142.
27. 2018 Qui Minet Z N, Delaunay C, Grall J, Cariou T, **Six C**, Bonher O, Legrand E, Davoult D, & S Martin. The role of local environmental changes on maerl and associated non-calcareous epiphytic macroalgae in the Bay of Brest. *Estuarine, Coastal and Shelf Science* 208:140-152.
26. 2018 Pittera J, Jouhet J, Garczarek L, Partensky F, Breton S, Maréchal E, Nguyen NA, Doré H, Ratin M D Scanlan, F Pitt & **C Six**. Thermoacclimation and genome adaptation of the membrane lipidome and related adaptation processes in marine *Synechococcus* picocyanobacteria. *Environmental Microbiology* 20(2):612-631.
25. 2017 Botebol H, Lelandais G, **Six C**, Lesuisse E, Meng A, Bittner L, Lecrom S, Sutak R, Lozano J C, Schatt P, Vergé V, Blain S & FY Bouget. Acclimation of a low iron adapted *Ostreococcus* strain to iron limitation through cell biomass lowering. *Scientific Reports* 7:327.
24. 2017 Simon N, Foulon E, Desdevises Y, **Six C**, Houdan A, Derelle E, Jouenne F, Grulois D, Le Gall F, D Vaultot & B. Marin. Revision of the genus *Micromonas* (Manton & Parke) (Chlorophyta, Mamiellophyceae), and of the species *M. pusilla* (Butcher) Manton et Parke, based on the genomic and phenotypic characterization of cultured isolates. *Protist* 5:612-635.
23. 2017 Demory D, Arsenieff L, Simon N, **Six C**, Rigaut-Jalabert F, Marie D, Ge P, Bigeard E, Jacquet S, Sciandra A, Bernard O, Rabouille S & AC Baudoux. Temperature is a key factor involved in *Micromonas* - virus interactions. *The ISME Journal* 11(3):601-612.
22. 2017 Pittera J, Partensky F & **C Six**. Adaptive thermostability of light-harvesting complexes in marine picocyanobacteria. *The ISME Journal* 11(1):112-124.
21. 2016 Lavaud J, **C Six** & DA Campbell. Photosystem II repair in marine diatoms with contrasting photophysiology. *Photosynthesis Research* 127(2): 189–199.
20. 2015 Botebol H, Lesuisse E, Sutak R, **Six C**, Lozano JC, Schatt P, Vergé V, Bowler C, Kirilovsky A, Morrissey J, Léger T, Gueunegues A, Blain S & FY Bouget. A central role of ferritin in the day/night regulation of cellular iron homeostasis in marine phytoplankton. *Proceedings of the National Academy of Science USA* 112(47): 14652–14657.
19. 2014 Nézan E, Siano R, Boulben S, **Six C**, Bilien G, Chèze K, Duval A, Lèpanse S, Quéré J & N Chomérat. Genetic diversity of the toxigenic family Kareniaceae (Gymnodinales, Dinophyceae) in France, with the description of *Karlodinium gentienii* sp. nov.: a new harmful dinoflagellate. *Harmful algae* 40:75-91.
18. 2014 Pittera J, Humily F, Ratin M, Thorel M, Garczarek L & **C Six**. Connecting thermal physiology and latitudinal niche partitioning in marine *Synechococcus*. *The ISME Journal* 8(6):1221-36.
17. 2013 Humily F, Partensky F, **Six C**, Farrant G, Ratin M, Marie D, Kehoe DM & L Garczarek. A specific gene island with a dual evolutionary origin is involved in chromatic acclimation in marine *Synechococcus*. *PLoS One* 8(12) e84459.

- 16.2013 Noisette F, Duong G, **Six C**, Davoult D & S Martin. Combined effects of elevated pCO₂ and temperature on the metabolism of a temperate rhodolith *Lithothamnion Corallioides*. *Journal of Phycology*, 49:756-757.
- 15.2013 Bretaudeau A, Coste F, Humily F, Garczarek L, **Six C**, Ratin M, Collin O, Schluchter W & F Partensky. CyanoLyase: a database of phycobilin lyase sequences, motifs and functions. *Nucleic Acids Research*, 1–6 doi:10.1093/nar/gks1091.
- 14.2012 Mella-Flores D, **Six C**, Ratin M, Partensky F, Boutte C, Marie D, Blot N, Kolowrat C & L Garczarek. *Prochlorococcus* and *Synechococcus* have evolved different adaptive mechanisms to cope with light and UV stress. *Frontiers in Aquatic Microbiology*, doi: 10.3389/fmicb.2012.00285.
- 13.2011 Blot N, Mella-Flores D, **Six C**, Le Corguillé G, Boutte C, Peyrat A, Monnier A, Ratin M, Gourvil P, Campbell DA and L Garczarek. Light history influences the response of the marine cyanobacterium *Synechococcus* sp. WH7803 to oxidative stress. *Plant Physiology*, 156(4):1934-54.
- 12.2010 Key T, McCarthy A, Campbell DA, **Six C**, Roy S & ZV Finkel. Cell size trade-offs govern light exploitation strategies in marine phytoplankton. *Environmental Microbiology* 12(1):95-104.
- 11.2009 **Six C**, Sherrard R, Lionard M, Roy Suzanne & DA Campbell. Photosystem II and Pigment Dynamics among ecotypes of the green alga *Ostreococcus*. *Plant Physiology* 151(1):379-90.
- 10.2008 Boulay C, Abasova L, **Six C**, Vass I & D Kirilovsky. Occurrence and function of the orange carotenoid protein in photoprotective mechanisms in various cyanobacteria. *Biochimica Biophysica Acta Bioenergetics* 1777 (10):1344-1354.
- 09.2008 Garczarek L, Dufresne A, Cockshutt AM, Peyrat A, Campbell DA, Joubin L & C **Six**. Function and evolution of the *psbA* gene family in marine *Synechococcus* : *Synechococcus* sp. WH7803 as a case study. *The ISME Journal* 2 (9) 937-953.
- 08.2008 **Six C**, Finkel Z, Rodriguez F, Marie D, Partensky F & DA Campbell. Contrasting photoacclimation costs in ecotypes of the marine picoplankter *Ostreococcus*. *Limnology & Oceanography* 53:255-265.
- 07.2007 **Six C**, Finkel ZF, Irwin AJ & DA Campbell. Light variability illuminates niche partitioning among marine picocyanobacteria. *Public Library of Science One* 2 (12) e1341.
- 06.2007 **Six C**, Thomas JC, Garczarek L, Ostrowski M, Dufresne A, Blot N, Scanlan D & F Partensky. Diversity and evolution of phycobilisomes in marine *Synechococcus* spp. – a comparative genomic study. *Genome Biology* 8 (12).
- 05.2007 **Six C**, Joubin L, Partensky F, Holtzendorff J & L Garczarek. UV-induced phycobilisome dismantling in the marine picocyanobacterium *Synechococcus* sp. WH8102. *Photosynthesis Research* 92(1):75-86.
- 04.2006 Everroad C & **Six C**, Thomas JC, Holtzendorf J, Partensky F & M Wood. Biochemical bases of the chromatic adaptation group IV in marine *Synechococcus*. *Journal of Bacteriology* 188(9) 3345-3356.
- 03.2005 **Six C** & Worden AZ, Rodriguez F, Moreau H & F Partensky. New insights in the nature and phylogeny of the photosynthetic antenna of Prasinophytes : *Ostreococcus tauri*, a case study. *Molecular Biology and Evolution* 22(11):2217– 2230.
- 02.2005 **Six C**, Thomas JC, Thion L, Palenik B, Lemoine Y, Zal, F & F Partensky. Two novel phycoerythrin-associated linker proteins in the marine cyanobacterium *Synechococcus* sp. WH8102. *Journal of Bacteriology* 187(5) 1685-1694.

- 01.2004 **Six C**, Thomas JC, Brahmsha B, Lemoine Y & F Partensky F. Photophysiology of the marine cyanobacterium *Synechococcus* sp. WH8102, a new model organism. *Aquatic Microbial Ecology* 35:17-29.

BOOK CHAPTERS

- 01.2021 Lami R, Grimaud R, Sanchez-Brosseau S, **Six C**, Thomas F, Joux F, West NJ, Urios L. Marine bacterial models for experimental biology. In Handbook of Marine Model Organisms in Experimental Biology, Established and Emerging. Edited by A. Boutet and B. Schierwater, CRC Press, 488 pages. ISBN 9780367444471.

COMMUNICATIONS IN SCIENTIFIC CONFERENCES

(Meetings I personally attended are indicated by a star)

- 58.2023 Garric S, Ratin M, Marie D, Foulon V, Probert I, Rodriguez F & **C Six**. Photoacclimation of *Dinophysis acuminata*: touching the limits of kleptoplastidy? International conference on harmful algae. 5-10 November 2023, Hiroshima, Japan. (Poster)
- 57.2023* **Six C**, Physiologie adaptative des picocyanobactéries marines *Synechococcus* au gradient latitudinal de température. Onzième congrès de l'Association Francophone d'Ecologie Microbienne, 18-20 Octobre 2023, Toulon, France. (invited speaker)
- 56.2023* **Six C**, Meyneng M, Siano, Antypas F, Ansquer D, & H Lemonnier. Impact of a cyclonic event on cyanobacterial communities in the Nouméa Lagoon (New Caledonia). ASLO meeting, 4-9 June 2023, Palma de Mallorca, Spain (poster).
- 55.2023* Garric S, Ratin M, Marie D, Foulon V, Probert I, Rodriguez F & **C Six**. Photoacclimation of Cryptophyte (*Plagioselmis prolunga*) plastids in their hosts *Mesodinium rubrum* and *Dinophysis acuminata*. ASLO meeting, 4-9 June 2023, Palma de Mallorca, Spain.
- 54.2023* Garric S, Ratin M, Marie D, Foulon V, Probert I, Rodriguez F & **C Six**. Photoacclimation of Cryptophyte (*Plagioselmis prolunga*) plastids in their hosts *Mesodinium rubrum* and *Dinophysis acuminata*. Journée de la Société Française de Photobiologie. 23-24 Janvier 2023, Paris (talk).
- 53.2022 Garric S, Ratin M, Marie D, Foulon V, Probert I, Rodriguez F & **C Six**. Photoacclimation des plastes Cryptophytes (*Plagioselmis prolunga*) chez leurs hôtes *Mesodinium rubrum* et *Dinophysis acuminata*. Journées de la Société de Phycologie Française. 6-7 Décembre 2022, Nantes (talk).
- 52.2019* Breton S, Jouhet J, Guyet U, Gros V, Pittera J, Demory D, Ratin M, Maréchal E, Partensky F, Doré H, Nguyen NA, Garczarek L & **C Six**. Unveiling membrane thermoregulation strategies in marine picocyanobacteria. Meeting of the French Photosynthesis Society. 9-10 May 2019, Gif-sur-Yvette, France (invited speaker).
- 51.2018* Breton S, Jouhet J, Guyet U, Gros V, Pittera J, Demory D, Ratin M, Maréchal E, Partensky F, Doré H, Nguyen NA, Garczarek L & **C Six**. Thermoregulation of membrane lipid composition in marine picocyanobacteria. Lipids in the ocean. Structure, function, ecological role and applications, 20-22 November 2018, Brest, France (poster).
- 50.2018* Breton S, Jouhet J, Guyet U, Gros V, Pittera J, Demory D, Ratin M, Maréchal E, Partensky F, Doré H, Nguyen NA, Garczarek L & **C Six**. Thermoregulation of membrane lipid composition in marine picocyanobacteria. International Society of Photosynthesis Research, Microbial Photosynthesis, 9-12 August 2018, Vancouver, Canada (poster).

- 49.2018 Villar E, Dani V, Bigeard E, Linhart T, Mendez Sandin M, Bachy C, **Six C**, Lombard F, Sabourault C and F Not. Chloroplasts of symbiotic microalgae remain active during bleaching induced by thermal stress in plankton *Collozoum pelagicum* (Collodaria, Radiolaria). International Symbiosis Society Congress, July 15-20, 2018, Oregon State University, Corvallis, Oregon USA (**poster**).
- 48.2017 Demory D, Arsenieff L, Simon N, **Six C**, Rigaut-Jalabert F, Marie D, Ge P, Bigeard E, Sciandra A, Bernard O, Rabouille S & AC Baudoux. Impact de la température sur les interactions entre la microalgue marine *Micromonas* et les virus qui l'infectent. VIIIe Colloque de l'Association Francophone d'Ecologie Microbienne Camaret-sur-Mer, France, 17-20 Oct 2017.
- 47.2017* Partensky F, **Six C**, Ratin M, Garczarek L, Gourvil P, Probert I, Le Panse S, Marie D, Vaulot D, Garrido J L & F Rodríguez. *Acaryochloris thomasi* sp. nov. strain RCC1774, a marine cyanobacterium with a unique pigment content. Journées Annuelles de la Société Phycologique de France, 19-20 October 2017, Station Biologique de Roscoff, France (**Talk**).
- 46.2017 Kayal E, L Velo Suarez, S Farhat, E Bigeard, D Marie, C Six, B Noel, B Porcel, C Alves-de-Souza, L Guillou & E Corre. Is the intracellular parasite *Amoebophrya* (Syndiniales) mining its host organelles during infection? EMBO workshop, Comparative genomics of eukaryotic microbes: Dissecting sources of evolutionary diversity. 14-19 October 2017, Sant Feliu de Guixols, Spain (**Poster**).
- 45.2017 Guillou L, Kayal E, Velo-Suarez L, Core E, **Six C**, Bigeard E & D Marie. Possible hijacking of the host plastids by an intracellular parasite (*Amoebophrya* sp., Syndiniales) of microalgae, 15th International Congress of Protistology 30 July - 4 August 2017, Prague, Czech Republic (**Talk**).
- 44.2017 Breton S, Jouhet J, Pittera J, Doré H, Garczarek L, Ratin M, Nguyen NA, Partensky F, Maréchal E & **C Six**. Thermoregulation of membrane lipid composition in picocyanobacteria: Towards an understanding of adaptation to thermal niches. 10th European Workshop on the Molecular Biology of Cyanobacteria, 20-24 August 2017, Cluj-Napoca, Romania (**Poster**).
- 43.2017 Not F, Villar E, Meng A, Bachy C, **Six C**, Bittner L, Leroux C, Alberti A, Eveillard D & E Corre. Ecophysiology of plankton photosymbiosis. 15th International Congress of Protistology (ICOP 2017), Prague, Czech Republic, 30th July to 4th August 2017. (**Talk**).
- 42.2017 Guillou L, Corre E, **Six C**, Vellos-Suarez L & E Kayal. Possible hijacking of the host plastids by an intracellular parasite (*Amoebophrya* sp., Syndiniales) of microalgae. Microbiology Society Annual Conference, 3 - 6 April 2017, Edinburgh, UK (**Talk**).
- 41.2016 Grébert T, Doré H, Farrant GK, Pittera J, **Six C**, Garczarek L & F Partensky. Diversity, evolution and global distribution of photosynthetic pigment types of marine *Synechococcus* picocyanobacteria. CNRS - Jacques Monod Conference "Molecules as documents of evolutionary history: 50 years after", May 9-13 2016, Roscoff, France (**Poster**).
- 40.2015 Pittera J, Partensky F, Garczarek L & **C Six**. Thermostability of phycobilisomes among marine *Synechococcus* thermotypes. London, UK, 6th European Phycological Congress (**Talk**).
- 39.2015 Demory D, Simon N, Baudoux A-C, **Six C**, Gei P, Rigaut-Jalabert F, Marie D, Sciandra A & S Rabouille. Does the thermal response of *Micromonas* species explain their niche partitioning? EMBO Conference on Aquatic Microbial Ecology: SAME-14, August 23-28 2015, Uppsala, Sweden (**Poster**).
- 38.2015 Pittera J, Partensky F, Garczarek L & **C Six**. Thermostability of phycobilisomes among marine *Synechococcus* thermotypes. 15th International Symposium on Phototrophic

Prokaryotes, August 5th 2015, Tübingen, Germany **(Talk)**.

- 37.2014 Nézan E, Siano R, Boulben S, **Six C**, Bilien G, Chèze K, Duval A, Lèpanse S, Quéré J & N Chomérat. Genetic diversity of the Dinophyceae family Kareniaceae in France, with the description of *Karlodinium gentienii* sp. nov.: a new harmful dinoflagellate. The 16th International conference on harmful algae, 27-31 October 2014, Wellington, New Zealand **(Talk)**.
- 36.2014 Pittera J & **Six C**, Thermostability of photosynthetic complexes among marine *Synechococcus* thermotypes. The 9th European Workshop on the Molecular Biology of Cyanobacteria, Texel Island from 7-11 September 2014, Netherland. **(Poster)**.
- 35.2014 Garczarek L, Farrant G.K., Doré H., Pitt F., **Six C**, Ratin M., Labadie K., Aury J.M., Wincker P., Scanlan D.J., Acinas S., Partensky F. and the TARA consortium (2014). Combination of comparative genomics, metagenomics and physiology for understanding niche adaptation in marine cyanobacteria. Genomics of prokaryotes, handling the data analysis bottleneck. Glimpses at Pan-Genomes, Nov 4-7 2014, Valencia, **(Talk)**.
- 34.2014 Garczarek L, Humily F, Farrant GK, Shukla A, **Six C**, Ratin M, Scanlan D, Kehoe D, and Partensky F, Light adaptation in cyanobacteria. The 9th European Workshop on the Molecular Biology of Cyanobacteria, Texel Island from 7-11 September 2014, Netherland. **(Talk)**.
- 33.2014 Pittera J & **Six C**, Thermostability of photosynthetic complexes among marine *Synechococcus* thermotypes. Evolution, Biogenesis and Dynamics of Energy Transducing Membranes Symposium, April 9-12, 2014, Paris, France. **(Poster)**.
- 32.2014 Partensky F, Humily F, **Six C**, Farrant GK, Shukla A, Ratin A, Doré H, Kehoe DM and Garczarek L. Genomic and physiological characterization of chromatic acclimation in marine *Synechococcus*. International Symposium on Evolution, Biogenesis and Dynamics of Energy Transducing Membranes, 9-12 avril 2014, Paris, France **(Poster)**.
- 31.2014* **Six C** & J Pittera. Adaptation au gradient latitudinal de température chez les *Synechococcus* marins. GIS Cyanobactéries, Clermont-Ferrand (France). 24-25 mars 2014 **(Talk)**.
- 30.2014 Partensky F, Humily F, **Six C**, Farrant G, Ratin M & Garczarek L. Bilan de l'ANR PELICAN: une approche génomique intégrée de la diversité, l'écologie et l'évolution des types pigmentaires de cyanobactéries dans le milieu marin. GIS Cyanobactéries, Clermont-Ferrand (France). 24-25 mars 2014 **(Talk)**.
- 29.2013 Pittera J, Humily F, Thorel M, Grulois D, Garczarek L & **C Six**. Connecting thermal physiology and latitudinal niche partitioning in marine *Synechococcus*. Journées de la société phycologique de France, Roscoff (France), 16-18th December **(Talk)**.
- 28.2013 Partensky F, Humily F, **Six C**, Farrant GK, Ratin M, Shukla A, Kehoe DM & L Garczarek. Molecular and genomic characterization of chromatic acclimation in marine *Synechococcus*. Journées de la Société Phycologique de France, Station Biologique de Roscoff, 17-18 déc. 2013 **(Talk)**.
- 27.2012 Humily F, Shukla A, Garczarek L, **Six C**, Marie D, Schluthter WM, Karty JA, Hammad LA, Kehoe DM & F Partensky. Diversity and Functional Characterization of Chromatic Acclimation in Marine *Synechococcus* Cyanobacteria. 14th International Symposium on Phototrophic Prokaryotes (ISPP). Porto, Portugal. August 5-9 2012 **(Poster)**.
- 26.2011 Garczarek L, Mella-Flores D, Kolowrat C, Boutte C, **Six C** & F Partensky. Adaptation and acclimation of *Prochlorococcus marinus* to ultraviolet radiations. ESF-EMBO Molecular Bioenergetics of Cyanobacteria: From Cell to Community, Sant Feliu de Guixols, Espagne. April 10-14 2011 **(Talk)**.
- 25.2011 Djouani-Tahri E, Schatt P, **Six C**, Christie J, Sanchez F, Corellou F, Lozano JC & FY

- Bouget. "Smaller than smallest": insight from a LOV-Histidine kinase photoreceptor mutant. Workshop "Specific Light Driven Reactions in Unicellular Model Algae", Jena (Germany), March 27-28, 2011 (**Poster**).
- 24.2010 Mella-Flores D, **Six C**, Kolowrat C, Garczarek L & F Partensky. Response of two marine picocyanobacteria to light and oxidative stress. Journées Européennes de Bactériologie, 14-16 Octobre 2009, Université de Bretagne-Sud, Lorient (**Poster**).
 - 23.2010 Mella-Flores D, Kotabova E, **Six C**, Kaňa R, Felcmanová K, Šetlík J, Czjzek M, Garczarek L, Partensky F & O Prasil. Absence of key photosystem II genes does not alter oxygen evolution in *Prochlorococcus marinus* MED4 and SS120. Ocean Sciences Meeting (ASLO) 22-26 February, Portland, Oregon, USA (**Poster**).
 - 22.2009 Campbell DA, Finkel Z, Irwin A & **C Six**. Light variability illuminates niche-partitioning among marine picocyanobacteria. 13th International Symposium on Phototrophic Prokaryotes. 9-14 August 2009, Montréal, Canada (**Poster**).
 - 21.2008 Garczarek L, Blot N, Dufresne A, Campbell DA, Cockshutt AM, Joubin L, Peyrat A and **C Six**. Evolution of the D1 encoding genes in marine *Synechococcus* spp. VIIth European Workshop on the Molecular Biology of Cyanobacteria, Ceske Budejovice, Czech Republic, 31 August-4 Sept 2008 (**Poster**).
 - 20.2008 Dufresne A, **Six C**, Ostrowski M., Scanlan D.J., Garczarek L., Hess WR & F. Partensky. The role of lateral gene transfer in niche adaptation of marine *Synechococcus*. VIIth European Workshop on the Molecular Biology of Cyanobacteria, Ceske Budejovice, Czech Republic, 31 August-4 Sept 2008 (**Talk**).
 - 19.2008 Boulay C, Abasova L, **Six C**, Vass I and D Kirilovsky. Photoprotective mechanisms indifferent strains of cyanobacteria containing or not the orange carotenoid protein. ESF-EMBO Symposium on Molecular Bioenergetics of Cyanobacteria, Sant Feliu de Guixols, Spain, 29th March – 3rd April (**Poster**).
 - 18.2007 Campbell DA, Finkel ZF, Irwin AJ & **C Six**. Differential photosystem II and antennae costs illuminate niche partitioning among marine cyanobacteria. 14th international congress on photosynthesis, 22-27 July, Glasgow Scotland (**Talk**).
 - 17.2007 Garczarek, L., Dufresne, A., Joubin, L., Peyrat, A., Blot. N. & **C Six**. A genomic and transcriptomic approach to the role of the *psbA* gene in the photoacclimation process in marine *Synechococcus* spp. Jacques Monod Conferences, Environmental genomics from individual genomes to genomes of complex communities, 9-13 June 2007 Roscoff, France (**Poster**).
 - 16.2007* Campbell D, Finkel Z & **C Six**. Photosystem II photoinactivation and repair in prokaryotic oceanic picophytoplankton quantified using a Satlantic FIRE and Walz XePAM. Chlorophyll fluorescence in Aquatic Sciences International Meeting, 28 May - 1st June 2007 Nove Hradý, Czech Republic (**Talk**).
 - 15.2007* **Six C**, Finkel Z, Rodriguez F, Partensky F & Campbell D. Photophysiology of *Ostreococcus* ecotypes. Chlorophyll fluorescence in Aquatic Sciences International Meeting, 28 May – 1st June 2007 Nove Hradý, Czech Republic (**Talk**).
 - 14.2006* Partensky F, **Six C**, Dufresne A, Thomas JC, Ostrowski M, Scanlan D and Garczarek L. Evolution of phycobilisomes in relation to light niches in marine *Synechococcus* spp. 12th International Symposium on Phototrophic Prokaryotes. 27th August-1st September 2006, Pau, France (**Talk**).
 - 13.2006* Joubin L, **Six C**, Dufresne A, Peyrat A, Partensky F & Garczarek L. Effect of light history on the response to high light and UV in *Synechococcus* sp. WH7803. 12th International Symposium on Phototrophic Prokaryotes. 27th August-1st September 2006, Pau, France (**Poster**).

- 12.2006* **Six C**, Finkel ZV, & Campbell DA. Comparative photophysiology of the marine cyanobacteria *Synechococcus* and *Prochlorococcus*. 12th International Symposium on Phototrophic Prokaryotes. 27th August-1st September 2006, Pau, France (**Poster**).
- 11.2006* **Six C**, Rodriguez F, Finkel Z, Partensky F & Campbell D. Photophysiology of *Ostreococcus* ecotypes. Gordon Research Conference "Marine Microbes" 23-28 July 2006, Maine USA (**Poster**).
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